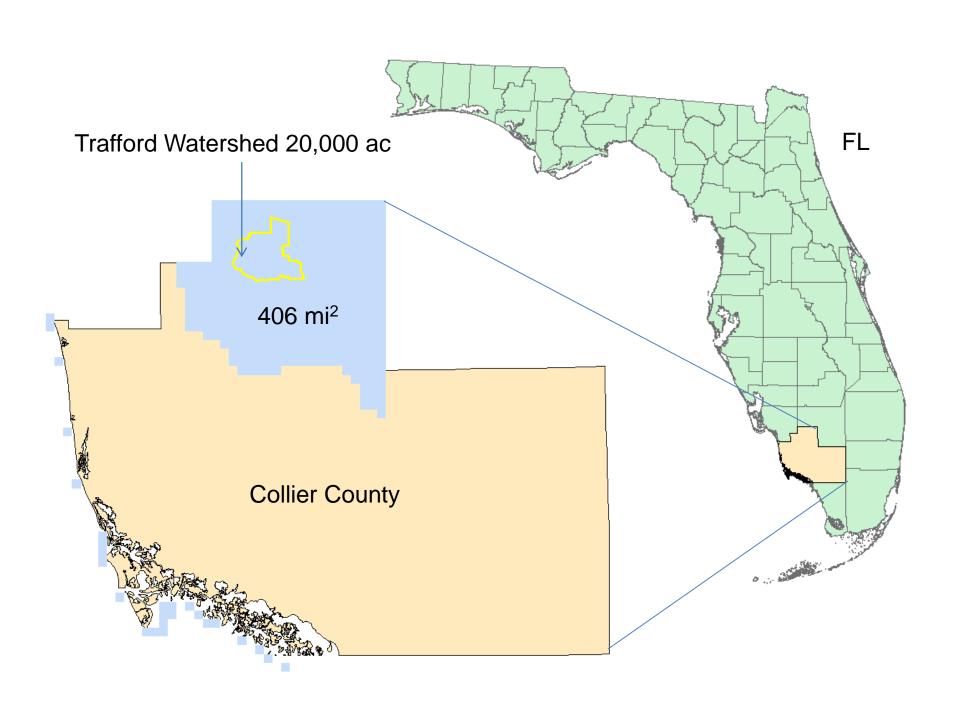




UF Lake Trafford Watershed Delineation Project

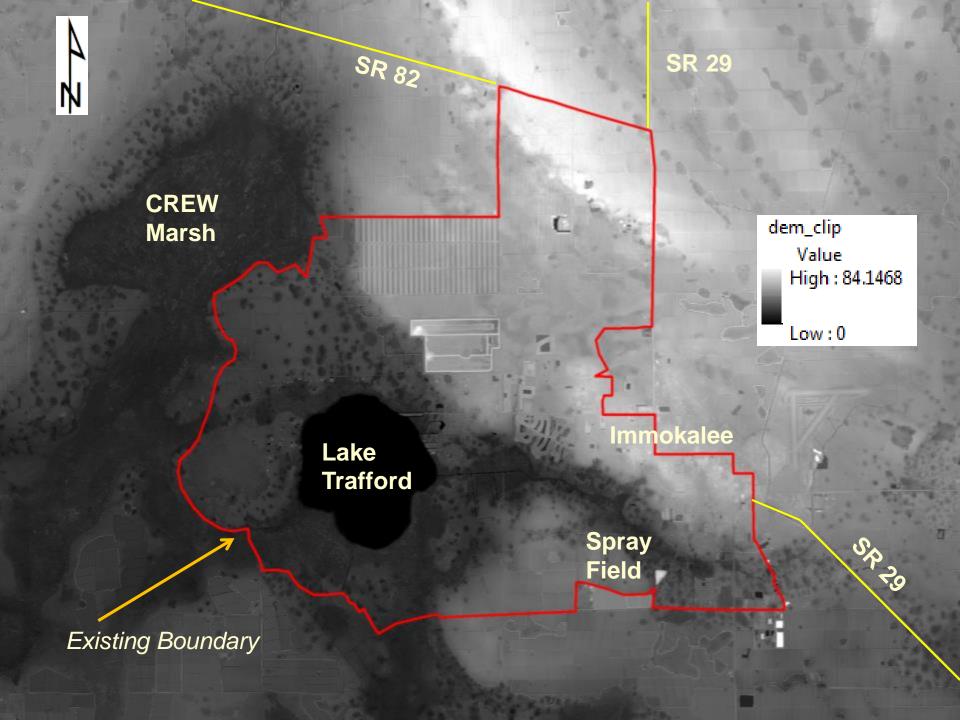
Objectives:

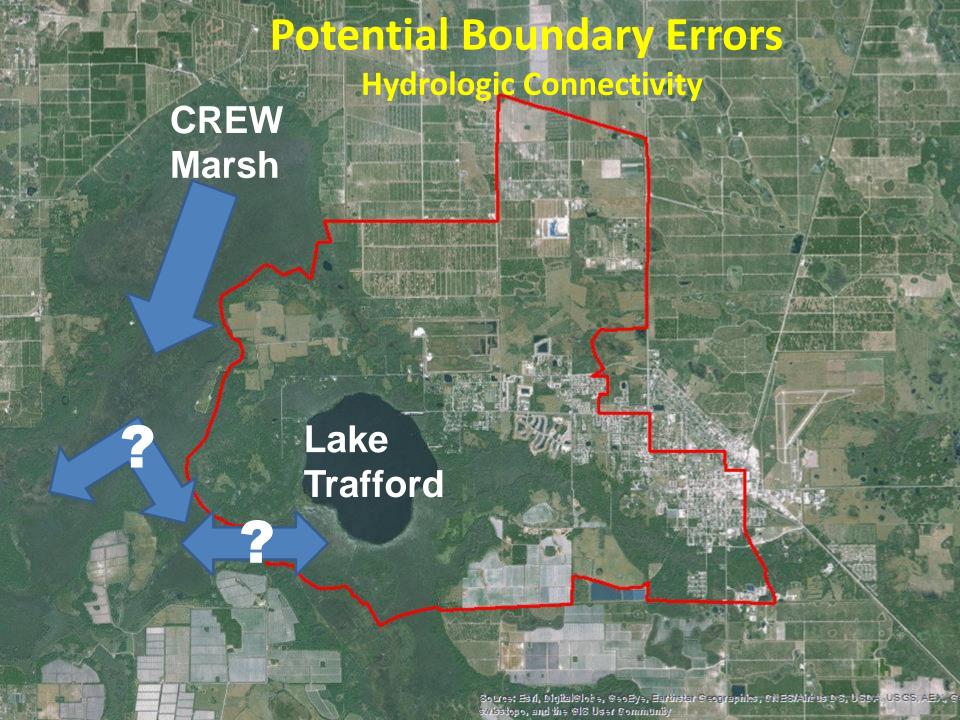
- Delineate the Lake Trafford Watershed boundary using LiDAR data in conjunction with hydrologic data
- 2) Combine results from obj. 1 with topographic survey-based ground truthing to identify surface drainage networks and finalize the boundary.

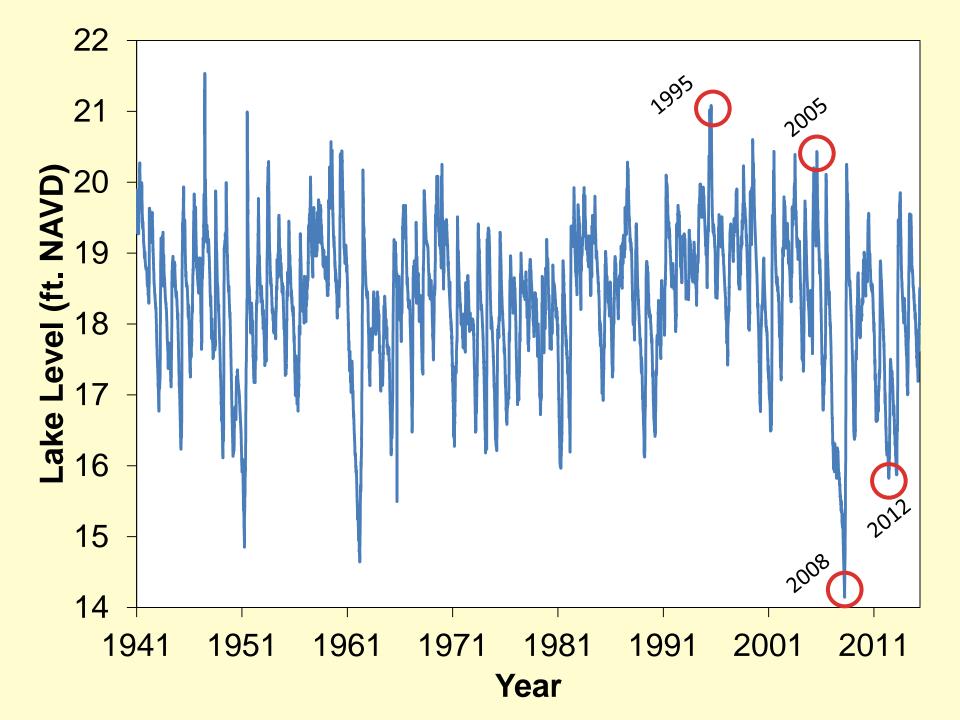


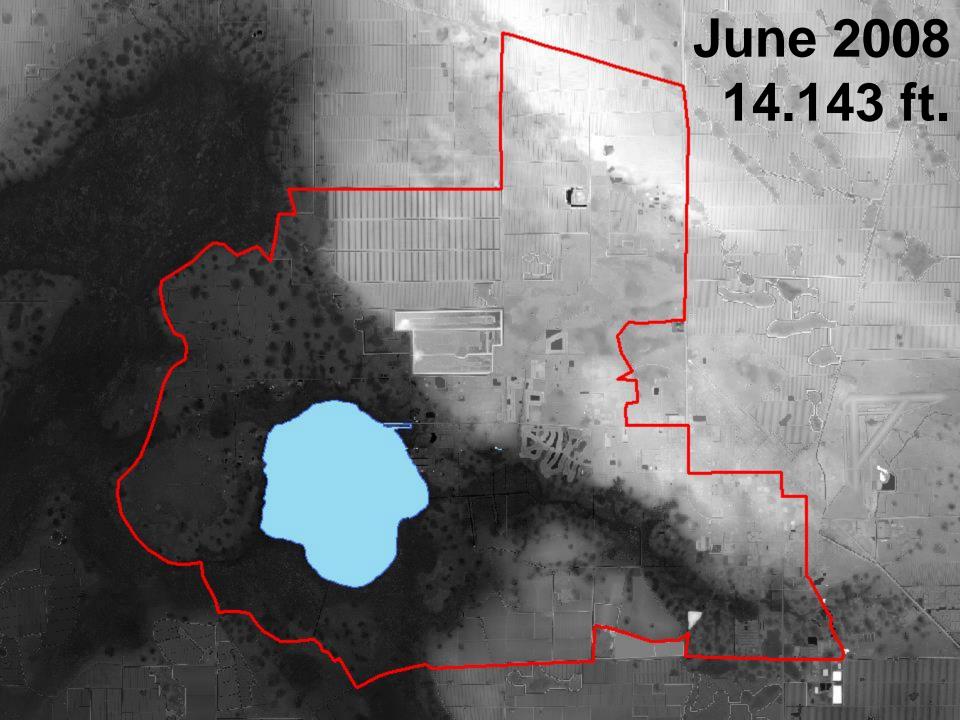
LiDAR Data and DEM

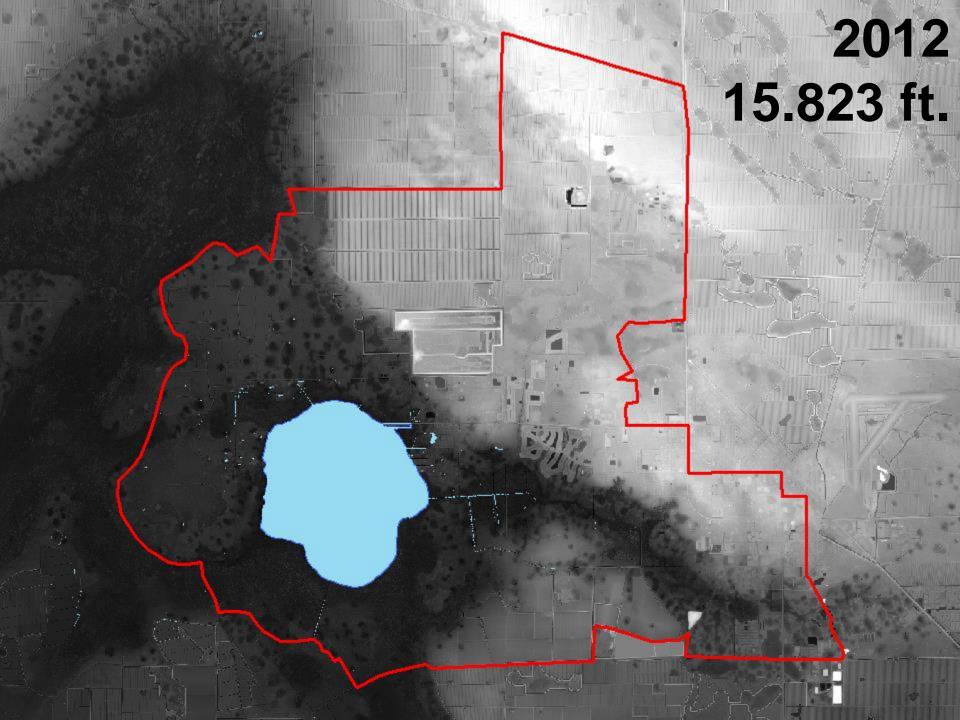
- Collier County
- March 2-8, 2008 (Drought)
- 0.33 0.82 ft. vertical accuracy
- Need to verify cover-based accuracy
- Digital Elevation Model (DEM)
 - -5 x 5 ft. resolution
 - NAVD 88

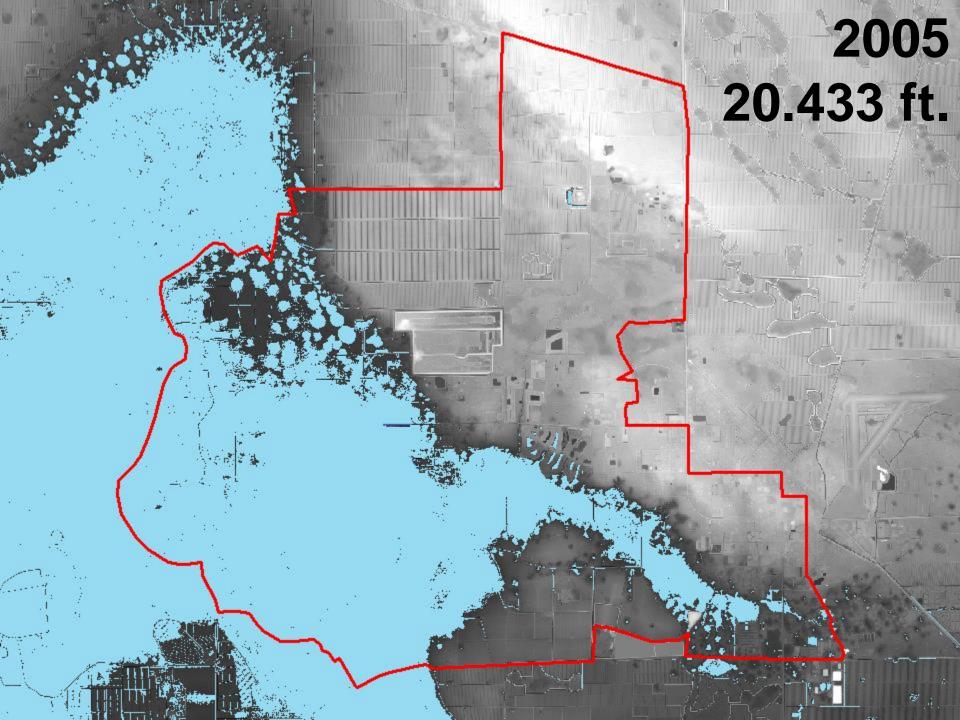


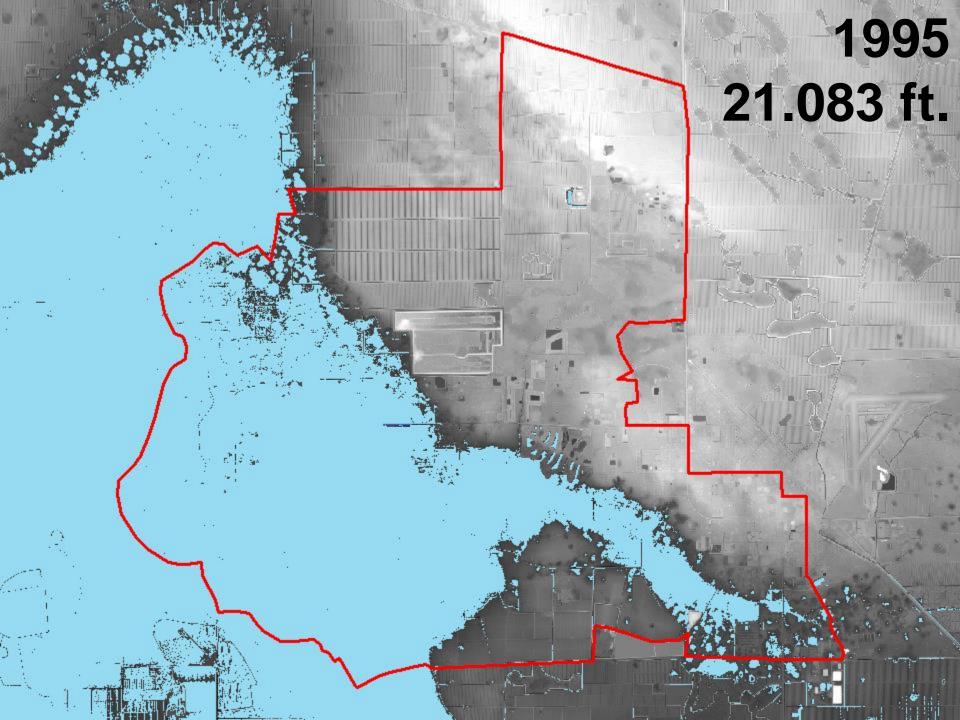


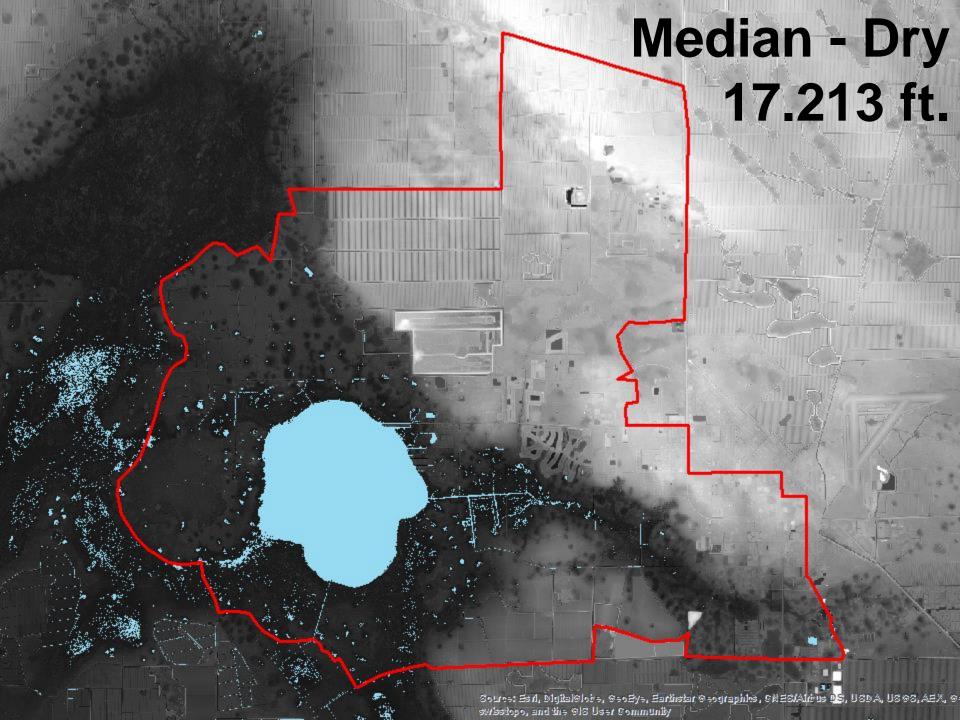


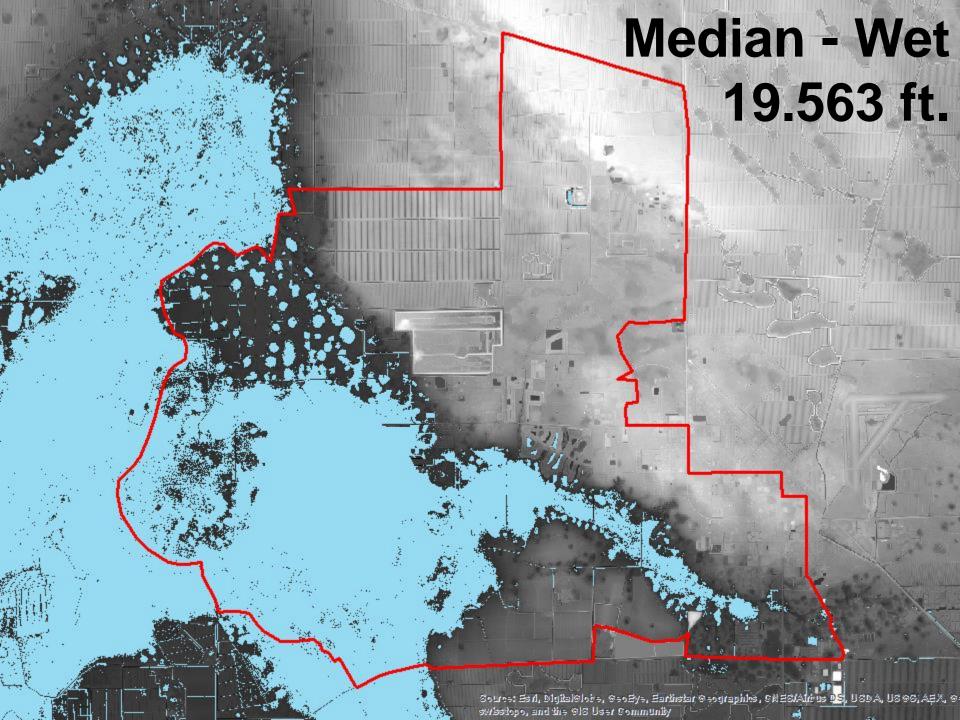








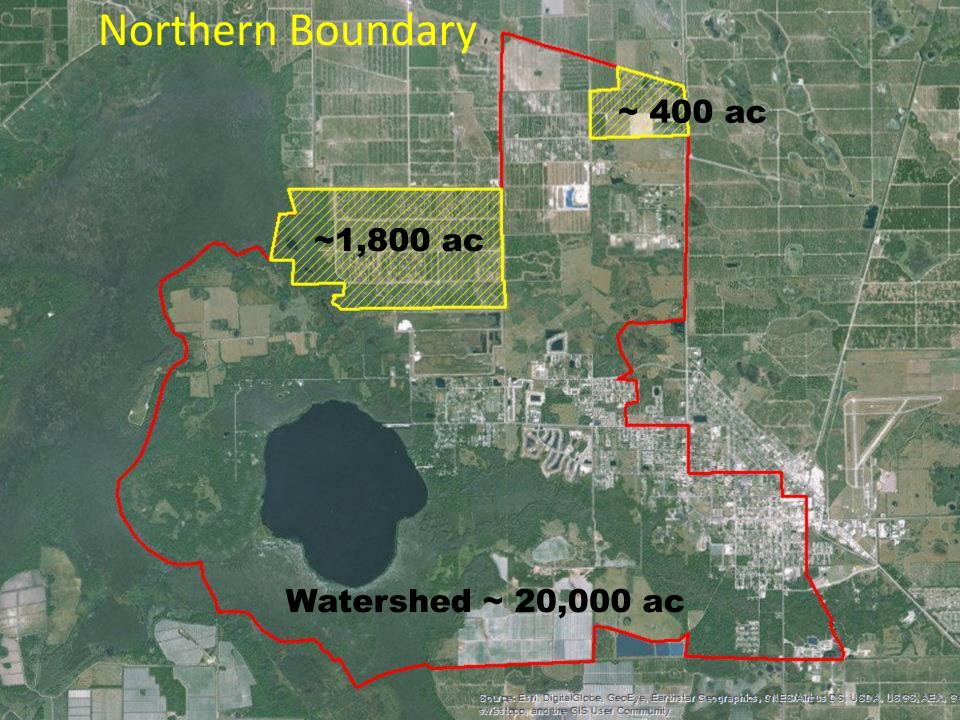




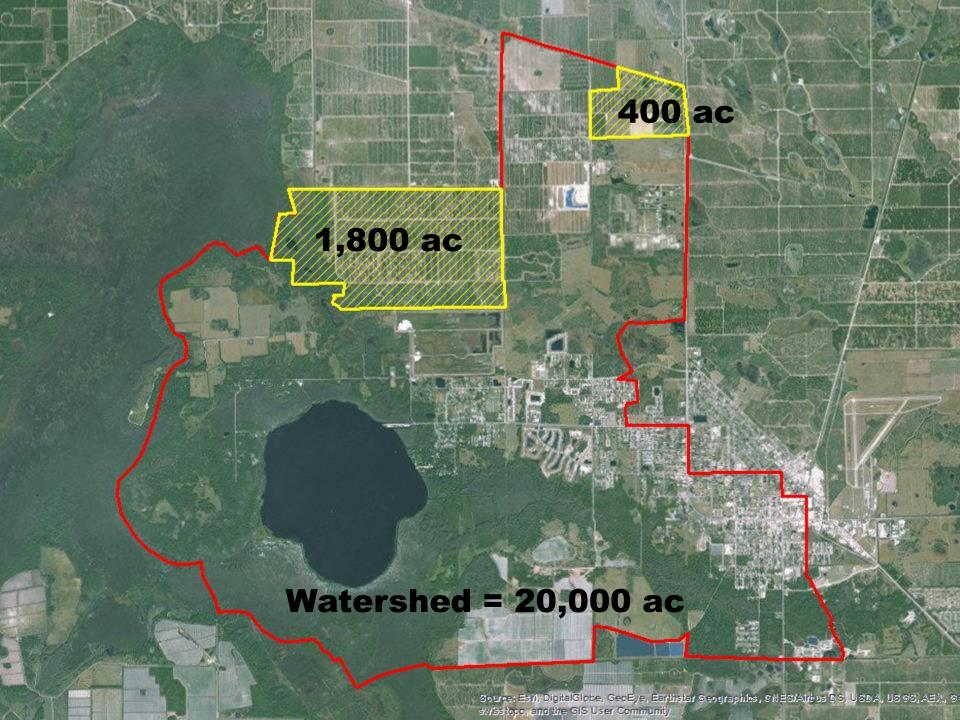


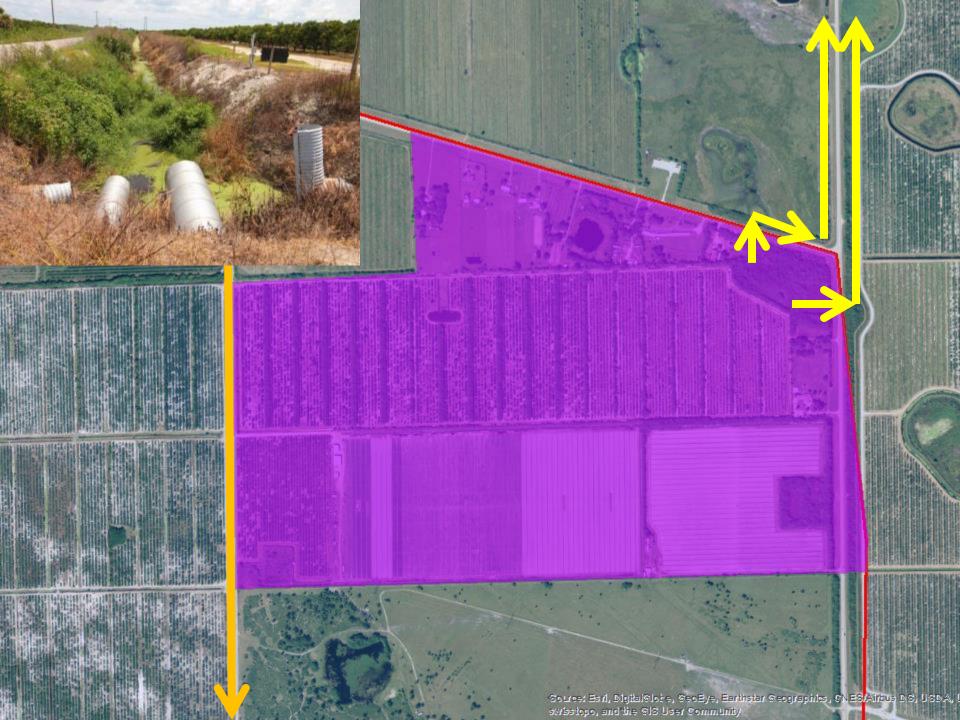


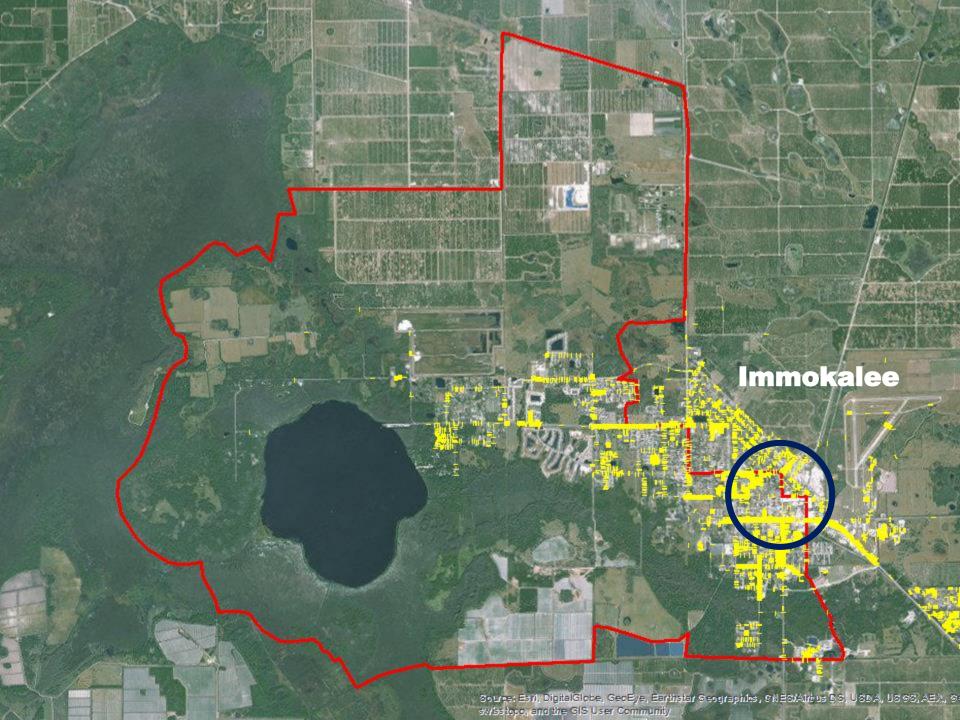


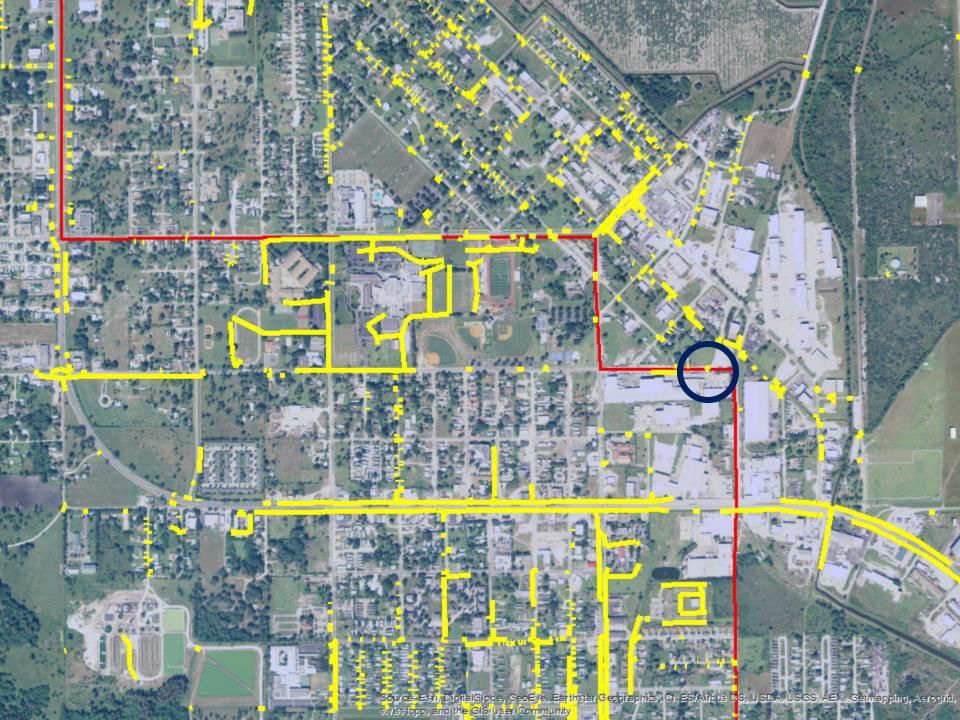




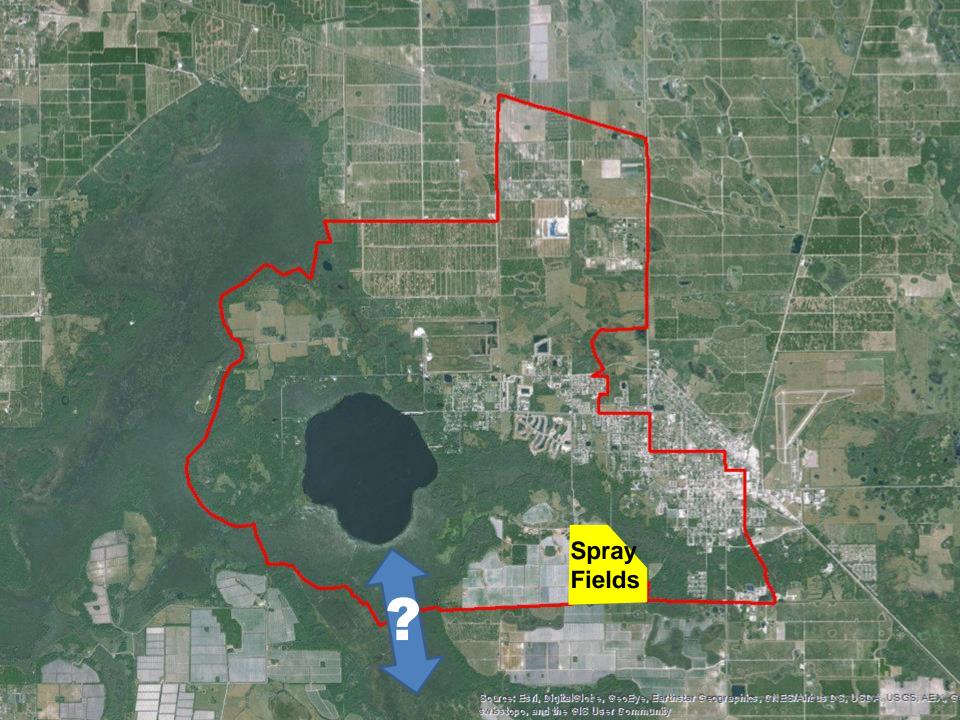


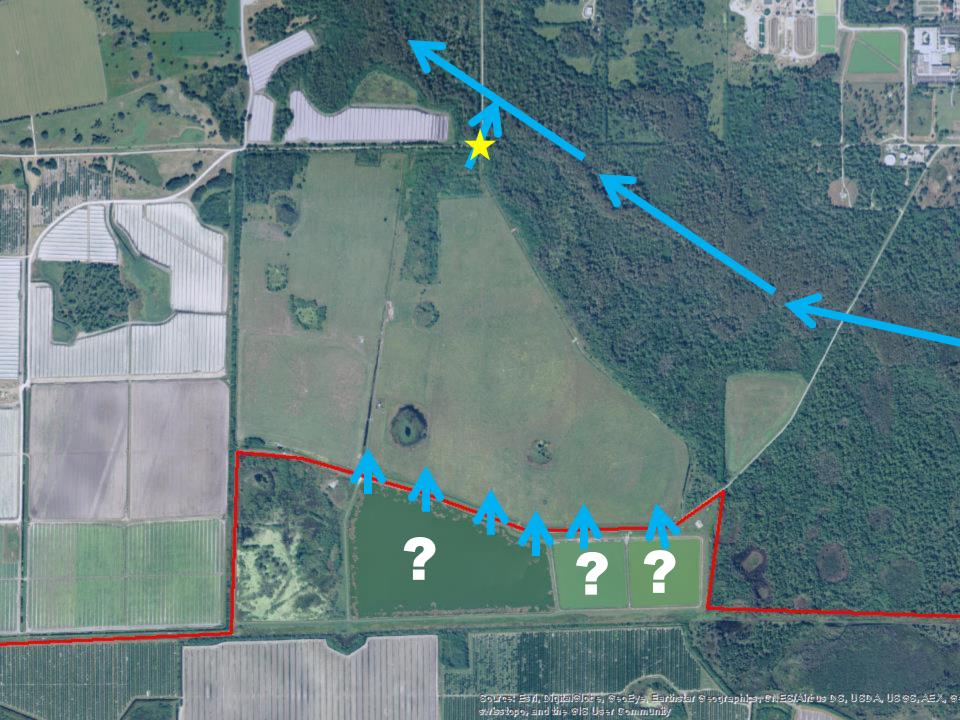












Future Work

- Completion of monitoring system installation
- GeoNet topographic modeling
- Surface water level and flow measurements
- Topographic survey
- Flow pathways urban area
- Hydrologic and topographic data analyses
- Boundary Verification selected areas
- Revised watershed boundary